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PATENT APPLICATION
Do. No. 7293-49

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Lei He et al.

Serial No.: 09/822,707

Group Art Unit: 2184

Filed: March 30, 2001

Examiner: Unknown

For: 3:2 PULL-DOWN FILM MODE DETECTION USING FUZZY LOGIC

Assistant Commissioner for Patents
Washington, D.C. 20231

**POWER OF ATTORNEY BY ASSIGNEE
AND REVOCATION OF PRIOR POWERS**

I, Hans Olsen, Secretary and Director, of nDSP Corporation, a Delaware Corporation, having a place of business at 1901 South Bascom Avenue, #800, Campbell, California 95008, assignee of the entire right, title, and interest of U.S. patent application serial no. 09/822,707, titled, 3:2 PULL-DOWN FILM MODE DETECTION USING FUZZY LOGIC by assignment recorded in Reel/Frame 011684/0057 (2 pages), on March 30, 2001, represent that I am empowered to sign on behalf of assignee.

As assignee of record of the entire interest of the above-identified application, all powers of attorney previously given are hereby revoked and the following attorneys and/or patent agents are hereby appointed to prosecute and transact all business in the Patent and Trademark Office connected therewith:

20575

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<u>Attorney Name</u>	<u>Registration No.</u>
Jerome S. Marger	26,480
Alexander C. Johnson, Jr.	29,396
Alan T. McCollom	28,881
James G. Stewart	32,496
Stephen S. Ford	35,139
Julie L. Reed	35,349
Scott A. Schaffer	38,610
Joseph S. Makuch	39,286
James E. Harris	40,013
Kevin S. Ross	42,116
Graciela G. Cowger	42,444
Ariel Rogson	43,054
Craig R. Rogers	43,888
Hillary Brooks	45,815
Clifford D. Weston	48,307

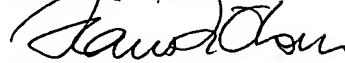
Direct all telephone calls to Graciela G. Cowger at (503) 222-3613.

Send all correspondence to:

Marger Johnson & McCollom, P.C.
1030 S.W. Morrison Street
Portland, Oregon 97205

Date: 12.11.2

nDSP Corporation



Hans Olsen
Secretary/Director

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UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
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Washington, D.C. 20231

JUNE 23, 2001

PTAS



101676490A

FERNANDEZ & ASSOCIATES, LLP
DENNIS S. FERNANDEZ, ESQ.
PATENT ATTORNEYS
PO BOX D
MENLO PARK, CA 94026-6204

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 03/30/2001 ✓

REEL/FRAME: 011684/0057
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
HE, LEI ✓

DOC DATE: 03/27/2001

ASSIGNOR:
ZHANG, HONGMIN ✓

DOC DATE: 03/27/2001

ASSIGNEE:
NDSP CORPORATION
1901 SOUTH BASCOM AVENUE, SUITE
700
CAMPBELL, CALIFORNIA 95008

SERIAL NUMBER: 09822707
PATENT NUMBER:

FILING DATE: 03/30/2001
ISSUE DATE:

SEDLEY PYNE, PARALEGAL
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

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DOCKETED
DATE: 06/27/2001 J1

REC'D JUN 27 2001

PTO Form 1595



Docket No.: NDSP-P003

3-30-01

101676490

RECORDATION COVER SHEET FOR ASSIGNMENT

JC918 U.S. PTO
09/822707
03/30/01

Dear Sir:
Please record the attached original documents or copy thereof.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

1. Name of conveying party:

Execution Date:

Inventor (s): HE, LEI
ZHANG, HONGMIN

3/27/2001

3/27/2001

Serial No: (Not yet assigned)

Group Art Unit: (Not yet assigned)

Filed: 3/30/2001

Examiner: (Not yet assigned)

2. Name and Address of

Receiving party: **nDSP CORPORATION**
1901 SOUTH BASCOM AVENUE, SUITE 700
CAMPBELL, CA 95008

09822707

3. Nature of Conveyance: Assignment

4. Patent Application(s) / Patent Number(s): (not yet assigned)

New Patent Application Entitled:

“3:2 PULL-DOWN FILM MODE DETECTION USING FUZZY LOGIC”

5. Name and address of party to whom correspondences concerning document should be mailed:

Name: **DENNIS S. FERNANDEZ, ESQ.**

Address: **FERNANDEZ & ASSOCIATES, LLP**
PATENT ATTORNEYS
PO BOX D
MENLO PARK, CA 94026-6204

PHONE: (650) 325-4999 FAX: (650) 325-1203
EMAIL: iploft@iploft.com

6. Total Number of applications and patents involved: ONE

7. Fee Calculation

Assignment Recordation Fee \$40.00

Total Fees (37 CFR 3.41): \$40.00 X Enclosed

Authorized to be charged to Deposit Account

8. Deposit Account Number:

In case Applicant inadvertently miscalculated any required fee, the Commissioner is hereby authorized to charge the necessary additional amount associated with this communication or credit and overpayment to Deposit Account No: **500482**. A duplicate copy of this authorization is enclosed.

9. Statement and signature:

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

PETER C. SU
Reg. No. 43,939

Date: 3/30/2005

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Docket No.: NDSP-P003ASSIGNMENT

Whereas, We, LEI HE and HONGMIN ZHANG, having agreed to assign the below identified invention to nDSP CORPORATION ("nDSP"), a DELAWARE corporation having its principal place of business at 1901 SOUTH BASCOM AVENUE, SUITE 700, CAMPBELL, CA 95008 for good and valuable consideration, receipt of which is hereby acknowledged, I do hereby sell, assign, and transfer unto nDSP, its successors and assigns, the entire right, title, and interest, including the right of priority in, to and under an application for Letters Patents of the United States entitled:

3:2 PULL-DOWN FILM MODE DETECTION USING FUZZY LOGIC

X filed herewith and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor; or

Serial No.: _____, filed on _____ and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor;

And for the above consideration, we agree promptly upon request of nDSP, its successors or assigns, to execute and deliver without further compensation any power of attorney, assignment, application, whether original, continuation, divisional, or reissue, or other papers which may be necessary or desirable fully to secure to nDSP, its successors and assigns, the inventions described in said application and all patent rights therein, in the United States and in any country foreign thereto, and to cooperate and assist in the prosecution of interference proceedings involving said inventions and in the adjudication or reexamination of said Letters Patent.

Inventor's Signature: _____

LEI HE

Date: 3/27/01

Inventor's Signature: _____

HONGMIN ZHANG

Date: 3/27/01

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Docket No: NDSP-P003**DECLARATION AND POWER OF ATTORNEY**

As a below named inventor, I hereby declare that:

My residence, postal address and citizenship are as stated below next to my name.

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original first and joint inventor (if multiple names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

3:2 PULL-DOWN FILM MODE DETECTION USING FUZZY LOGIC

the specification of which is attached hereto unless the following information is indicated:

_____ was filed on _____;
as United States Application Number or PCT International Application Number _____;
and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendments referred to above.

I acknowledge the duty to disclose information that is material to patentability as defined in 37 CFR 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified, as so indicated below, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Claimed

(Application No.)

(Country)

(Day/Month/Year Filed)

____ Yes ____ No

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

(Application No.)

(Day/Month/Year Filed)

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information that is material to patentability as defined in 37 C.F.R. 1.56 that became available between the filing date of the prior application and the national or PCT International filing date of this application.

(Application No.)

(Day/Month/Year Filed)

(Status - patented, pending, abandoned)

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith:

DENNIS S. FERNANDEZ, REG. NO. 34,160

PETER C. SU, REG. NO. 43,939

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Combined Decl/POA
Page 2

Application No.: (Not yet assigned)
Docket N . NDSP-P003

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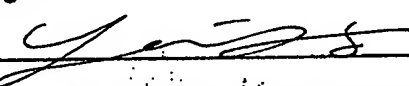
FERNANDEZ & ASSOCIATES, LLP
PATENT ATTORNEYS
PO BOX D
MENLO PARK, CA 94026-6204
(650) 325-4999
(650) 325-1203 : FAX
EMAIL: lploft@iploft.com

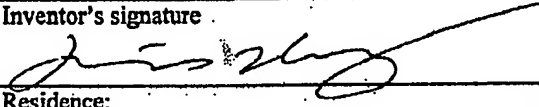


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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and beliefs are believed to be true; and further that these statements were made with knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor: LEI HE	
Inventor's signature 	Date 3/27/01
Residence: 42205 ROSEWOOD COMMON, FREMONT, CA 94538	
Citizenship: PEOPLE'S REPUBLIC OF CHINA	
Postal Address: SAME AS RESIDENCE	

Full name of sole or first inventor: HONGMIN ZHANG	
Inventor's signature 	Date 3/27/01
Residence: 2040 KINGTON PLACE, SANTA CLARA, CA 95051	
Citizenship: PEOPLE'S REPUBLIC OF CHINA	
Postal Address: SAME AS RESIDENCE	

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